

Serial No. 09/859,655 Page 2

8. A method of forming features in a carbon-based work piece, the method comprising;

depositing a mask layer on the work piece;

creating a pattern in the mask layer;

etching the pattern into the work piece; and

removing that portion of the mask layer remaining after the etching.

10 A method of forming details in a work piece made of Carbon-Carbon material, the method comprising:

depositing a mask layer on at least a portion of the work piece;

creating the desired pattern in the mask layer;

removing that portion of the mask layer forming the desired pattern; and

etching the desired pattern to form the complex shape in the work piece.

20. An article comprising:

a carbon-carbon containing work piece; and

a mask layer on the work piece;

the mask layer having an etched pattern extending through to the carbon-carbon containing work piece.